GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: December 23, 2005, 23:29:54 ; Search time 163 Seconds
(without alignments)
471.660 Million cell updates/sec

Title: US-09-455-978B-77
Perfect score: 933
Sequence: 1 MSNDNDTLVTADVRNGIDGH.....DELVARFLPMLKLLTFDQQI 184

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published_Applications_AA_Main:*
1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
2: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
3: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*
4: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*
5: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*
6: /cgn2_6/ptodata/1/pubpaa/US11_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	99	10.6	448	4	US-10-460-524-5	Sequence 5, Appli
2	97.5	10.5	138	4	US-10-767-701-34787	Sequence 34787, A
3	94.5	10.1	883	4	US-10-369-493-18563	Sequence 18563, A
4	94	10.1	218	4	US-10-156-761-9281	Sequence 9281, Ap
5	89.5	9.6	400	4	US-10-156-761-13480	Sequence 13480, A
6	89.5	9.6	400	5	US-10-732-923-10618	Sequence 10618, A
7	88	9.4	505	4	US-10-282-122A-66025	Sequence 66025, A
8	87	9.3	496	4	US-10-282-122A-65364	Sequence 65364, A
9	86.5	9.3	318	5	US-10-848-111-14	Sequence 14, Appl
10	86	9.2	362	4	US-10-437-963-137315	Sequence 137315,
11	85	9.1	2703	4	US-10-282-122A-66108	Sequence 66108, A
12	84	9.0	163	4	US-10-425-115-287808	Sequence 287808,
13	84	9.0	258	4	US-10-425-115-287807	Sequence 287807,
14	83.5	8.9	258	4	US-10-156-761-11335	Sequence 11335, A
15	83.5	8.9	315	4	US-10-282-122A-59961	Sequence 59961, A
16	83.5	8.9	367	4	US-10-425-114-72593	Sequence 72593, A
17	83.5	8.9	368	4	US-10-425-114-48921	Sequence 48921, A
18	83.5	8.9	640	5	US-10-913-883-31	Sequence 31, Appl
19	83.5	8.9	1254	4	US-10-282-122A-53778	Sequence 53778, A
20	83.5	8.9	4384	5	US-10-472-928-3658	Sequence 3658, Ap
21	83	8.9	319	6	US-11-097-143-13032	Sequence 13032, A
22	83	8.9	384	4	US-10-425-114-48636	Sequence 48636, A
23	82.5	8.8	403	4	US-10-282-122A-61978	Sequence 61978, A
24	82.5	8.8	695	4	US-10-282-122A-69832	Sequence 69832, A
25	82.5	8.8	765	4	US-10-369-493-13529	Sequence 13529, A
26	82.5	8.8	831	3	US-09-738-626-5468	Sequence 5468, Ap
27	82.5	8.8	928	4	US-10-282-122A-61748	Sequence 61748, A
28	82.5	8.8	939	4	US-10-156-761-12605	Sequence 12605, A
29	82	8.8	318	4	US-10-425-114-63899	Sequence 63899, A
30	82	8.8	329	4	US-10-243-739-16	Sequence 16, Appl
31	82	8.8	329	4	US-10-244-065-16	Sequence 16, Appl
32	82	8.8	329	4	US-10-289-454-16	Sequence 16, Appl
33	82	8.8	329	4	US-10-346-190-16	Sequence 16, Appl
34	82	8.8	329	4	US-10-465-811-7	Sequence 7, Appli
35	82	8.8	329	4	US-10-289-456-16	Sequence 16, Appl
36	82	8.8	329	4	US-10-622-064-28	Sequence 28, Appl
37	82	8.8	329	4	US-10-622-124-10	Sequence 10, Appl
38	82	8.8	329	4	US-10-622-087-10	Sequence 10, Appl
39	82	8.8	329	6	US-11-037-396-10	Sequence 10, Appl
40	82	8.8	330	4	US-10-050-902-254	Sequence 254, App
41	82	8.8	330	4	US-10-050-898-254	Sequence 254, App
42	82	8.8	901	4	US-10-369-493-18812	Sequence 18812, A
43	82	8.8	1333	4	US-10-282-122A-55546	Sequence 55546, A
44	82	8.8	2799	4	US-10-282-122A-65564	Sequence 65564, A
45	81	8.7	1178	4	US-10-128-714-8240	Sequence 8240, Ap

ALIGNMENTS

RESULT 1
US-10-460-524-5
; Sequence 5, Application US/10460524
; Publication No. US20040029781A1
; GENERAL INFORMATION:
; APPLICANT: Hernan, Ronald A
; APPLICANT: Mehigh, Richard J
; APPLICANT: Brockie, Ian
; APPLICANT: Jenkins, Elizabeth
; TITLE OF INVENTION: Affinity Peptides and Method for Purification of Recombinant Pr
; FILE REFERENCE: SGM 7047.1
; CURRENT APPLICATION NUMBER: US/10/460,524
; CURRENT FILING DATE: 2003-06-12
; PRIOR APPLICATION NUMBER: US 60/388,059
; PRIOR FILING DATE: 2002-06-12
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
; LENGTH: 448
; TYPE: PRT
; ORGANISM: Streptococcus
US-10-460-524-5

Query Match 10.6%; Score 99; DB 4; Length 448;
Best Local Similarity 25.3%; Pred. No. 0.31;
Matches 48; Conservative 25; Mismatches 45; Indels 72; Gaps 8;

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Qy          10 TADVRNGIDGHALADRIGLDEABIAWRLSFTGIDD-------DTMAALAAE--------- 53
               |  :||| :   | : :|  |  :| |   :   |       ||:|| |||
Db          41 TPIIRNGGE---LTNLLGNSETTLALRNEESATADLTAAAVADTVAAAAAENAGAAAWEA 97

Qy          54 ----QPLFEATADAL-------VTDFYDHLESYERTQDLFANSTKTVEQLKETQAEYLLG 102
                   | :| ||||       |:|:| :|           |: |||| :|: ||: :
Db          98 AAAADALAKAKADALKEFNKYGVSDYYKNL----------INNAKTVEGIKDLQAQVV-- 145

Qy         103 LGRGEYDTEYAAQRARIGKIHDVLGLGPDVYLGAYTRYYTGLLDALADDVVADRGEEAAA 162
                     :|::||| :  |                  || | |     |   |:
Db         146 ---------ESAKKARISEATD-----------------GLSDFLKSQTPA---EDTVK 175

Qy         163 AVDELVARFL 172
               :::   |: |
Db         176 SIELAEAKVL 185
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RESULT 2
US-10-767-701-34787
; Sequence 34787, Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.

```
;  APPLICANT:  Zhou, Yihua
;  APPLICANT:  Cao, Yongwei
;  TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
;  TITLE OF INVENTION:  Plants and Uses Thereof For Plant Improvement
;  FILE REFERENCE: 38-21(53535)B
;  CURRENT APPLICATION NUMBER: US/10/767,701
;  CURRENT FILING DATE:  2004-01-29
;  NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 34787
;   LENGTH: 138
;   TYPE: PRT
;   ORGANISM: Sorghum bicolor
;   FEATURE:
;   OTHER INFORMATION: Clone ID: SORBI-28MAY03-C54418_1.pep
US-10-767-701-34787

  Query Match             10.5%;  Score 97.5;  DB 4;  Length 138;
  Best Local Similarity   24.1%;  Pred. No. 0.095;
  Matches   28;  Conservative   26;  Mismatches   57;  Indels    5;  Gaps    2;

Qy         27 GLDEAEIAWRLSFTGIDDDT----MAALAAEQPLFEATADALVTDFYDHLESYERTQDLF 82
              |:|:|| |     : :  :|    | ||  :  | : |   ||    :| :      | :
Db          3 GMDKAEDAEPTCISSVQKETGHKVMDALEQQDALLKKTKSLLVPSVLNHHDDIPGEADNY 62

Qy         83 ANSTKTVEQLKETQAEYLLGLGRGEYDTEYAAQRARIGKIHDVLGLGPDVYLGAYT 138
                ::  |:|   ||::|:     :|     : |:  ::| | :::   || |:  :|
Db         63 MDALNTLESETETESEFQT-KNQGVPAPSFNAEAPQVGAIDNIVPQCPDSYVADFT 117


RESULT 3
US-10-369-493-18563
; Sequence 18563, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
;  APPLICANT: Cao, Yongwei
;  APPLICANT:  Hinkle, Gregory J.
;  APPLICANT:  Slater, Steven C.
;  APPLICANT:  Goldman, Barry S.
;  APPLICANT:  Chen, Xianfeng
;  TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
;  TITLE OF INVENTION:  PLANTS WITH IMPROVED PROPERTIES
;  FILE REFERENCE: 38-10(52052)B
;  CURRENT APPLICATION NUMBER: US/10/369,493
;  CURRENT FILING DATE:  2003-02-28
;  PRIOR APPLICATION NUMBER: US 60/360,039
;  PRIOR FILING DATE: 2002-02-21
;  NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 18563
;   LENGTH: 883
;   TYPE: PRT
;   ORGANISM: Halobacterium sp. NRC-1
US-10-369-493-18563

  Query Match             10.1%;  Score 94.5;  DB 4;  Length 883;
  Best Local Similarity   28.3%;  Pred. No. 2.2;
  Matches   51;  Conservative   23;  Mismatches   63;  Indels   43;  Gaps   10;

Qy         12 DVRNGIDGH--ALADRIGLDEAEIAWRLSFTGIDDDTMAALAAEQPLFEA-------TAD 62
              ||:: ::|    |||:|   : | |          :  :| : |:   |||       | |
Db        180 DVKSNVEGQLDRLADQIA--DKEAADPHDRLASHNTALAEVTADIEHFEAEREQARQTRD 237

Qy         63 ALVTDFYDHLESYERTQDLFANSTKTVEQLKETQAEYLLGLGRGEYDTEYAAQRA----- 117
                  |  | || || ::   |:  :|:  ::|  ||         | : |  | |
Db        238 ----DAADVLERYEESRTALADVEETIADVREAVAE-------AERERETLADRVSDHRE 286

Qy        118 RIGKIHDV-------LGL-GPDVYLGAYTRYYTGLLDALAD--DVVADRGEEAAAAVDEL 167
                  |   : |         |||  ||    :  |      ||:||  : ||:|  | | ||  |
Db        287 RASDLDDEAAALAADLGLDDPDAEDASAER------DAVADQREAVAERVREVAPAVSRL 340


RESULT 4
US-10-156-761-9281
; Sequence 9281, Application US/10156761
; Publication No. US20030119018A1
; GENERAL INFORMATION:
;  APPLICANT: OMURA, SATOSHI
;  APPLICANT:  IKEDA, HARUO
;  APPLICANT:  ISHIKAWA, JUN
;  APPLICANT:  HORIKAWA, HIROSHI
;  APPLICANT:  SHIBA, TADAYOSHI
;  APPLICANT:  SAKAKI, YOSHIYUKI
;  APPLICANT:  HATTORI, MASAHIRA
;  TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
;  FILE REFERENCE: 249-262
;  CURRENT APPLICATION NUMBER: US/10/156,761
;  CURRENT FILING DATE:  2002-05-29
;  PRIOR APPLICATION NUMBER: JP 2001-204089
;  PRIOR FILING DATE: 2001-05-30
;  PRIOR APPLICATION NUMBER: JP 2001-272697
;  PRIOR FILING DATE: 2001-08-02
;  NUMBER OF SEQ ID NOS: 15109
; SEQ ID NO 9281
;   LENGTH: 218
;   TYPE: PRT
;   ORGANISM: Streptomyces avermitilis
US-10-156-761-9281

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  Best Local Similarity   28.7%;  Pred. No. 0.39;
  Matches   47;  Conservative   22;  Mismatches   73;  Indels   22;  Gaps    8;

Qy         21 ALADRIGLDEAEI--AWRLSF-TGIDDDTMAALAAEQPLFEATADALVTDFYDHLESYER 77
              |||||:|:  ||:     |||  :|: :  : || : :|  |     |     |   |:   |
Db         25 ALADRLGVAHAEVFDVGRLSVASGVPEPVVKALLSGRPAGEPDLQA---RFLQRLDLLRR 81

Qy         78 TQDLFANSTKTVEQ-------LKETQAEYLLGLGRGEYDTEYAAQRARIGKIHD--VLGL 128
              |: |  |  :  :|       :   ||  |:  |       |:      |  ::|  :
Db         82 TR-LKPNRRRYTQQEIADGAGMSRQQAGALIN-GDRRPTMEHCDAIQRFFRVHAGFLTAE 139

Qy        129 GPDVYLGAYTRYYTGLLDALADDVVADRGEEAAAAVDELVARFL 172
               |:  |  |    ||  |     |||   || |||: : | |
Db        140 DPEALAGTLQRSEQELLQQL-----ADRERAAAMAVDDPLERLL 178


RESULT 5
US-10-156-761-13480
; Sequence 13480, Application US/10156761
; Publication No. US20030119018A1
; GENERAL INFORMATION:
;  APPLICANT: OMURA, SATOSHI
;  APPLICANT:  IKEDA, HARUO
;  APPLICANT:  ISHIKAWA, JUN
;  APPLICANT:  HORIKAWA, HIROSHI
;  APPLICANT:  SHIBA, TADAYOSHI
;  APPLICANT:  SAKAKI, YOSHIYUKI
;  APPLICANT:  HATTORI, MASAHIRA
;  TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
;  FILE REFERENCE: 249-262
;  CURRENT APPLICATION NUMBER: US/10/156,761
;  CURRENT FILING DATE:  2002-05-29
;  PRIOR APPLICATION NUMBER: JP 2001-204089
;  PRIOR FILING DATE: 2001-05-30
;  PRIOR APPLICATION NUMBER: JP 2001-272697
;  PRIOR FILING DATE: 2001-08-02
;  NUMBER OF SEQ ID NOS: 15109
; SEQ ID NO 13480
;   LENGTH: 400
;   TYPE: PRT
;   ORGANISM: Streptomyces avermitilis
US-10-156-761-13480

  Query Match              9.6%;  Score 89.5;  DB 4;  Length 400;
  Best Local Similarity   26.7%;  Pred. No. 2.5;
  Matches   36;  Conservative   16;  Mismatches   66;  Indels   17;  Gaps    5;

Qy         42 IDDDTMAALAAEQPLFEATADALVTDFYDHLESY--ERTQDLFANSTKTVEQLKETQAEY 99
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GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: December 23, 2005, 23:27:58 ; Search time 24 Seconds
(without alignments)
633.847 Million cell updates/sec

Title: US-09-455-978B-77
Perfect score: 933
Sequence: 1 MSNDNDTLVTADVRNGIDGH.....DELVARFLPMLKLLTFDQQI 184

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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5: /cgn2_6/ptodata/1/iaa/RE_COMB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	94.5	10.1	396	2	US-09-902-540-10455	Sequence 10455, A
2	91.5	9.8	955	1	US-08-428-414A-3	Sequence 3, Appli
3	89	9.5	955	1	US-08-006-676B-1	Sequence 1, Appli
4	89	9.5	955	1	US-08-282-845-2	Sequence 2, Appli
5	89	9.5	955	4	PCT-US94-00324-1	Sequence 1, Appli
6	86.5	9.3	318	2	US-09-710-262E-14	Sequence 14, Appl
7	85.5	9.2	302	2	US-09-328-352-4846	Sequence 4846, Ap
8	83.5	8.9	319	2	US-09-489-039A-8872	Sequence 8872, Ap
9	83.5	8.9	640	2	US-10-241-602B-31	Sequence 31, Appl
10	82.5	8.8	831	2	US-09-605-703B-1396	Sequence 1396, Ap
11	82	8.8	329	2	US-10-622-064-28	Sequence 28, Appl
12	82	8.8	542	2	US-09-252-991A-21396	Sequence 21396, A
13	81.5	8.7	1253	2	US-09-252-991A-30019	Sequence 30019, A
14	80.5	8.6	700	2	US-09-252-991A-19384	Sequence 19384, A
15	80	8.6	553	2	US-09-252-991A-32970	Sequence 32970, A
16	80	8.6	677	2	US-09-252-991A-18102	Sequence 18102, A
17	79	8.5	438	2	US-09-540-236-2595	Sequence 2595, Ap
18	79	8.5	592	2	US-09-902-540-15457	Sequence 15457, A
19	79	8.5	878	2	US-08-941-936-2	Sequence 2, Appli
20	78.5	8.4	733	2	US-09-328-352-5599	Sequence 5599, Ap
21	78.5	8.4	755	4	PCT-US93-07923-3	Sequence 3, Appli
22	78.5	8.4	759	4	PCT-US93-07923-2	Sequence 2, Appli
23	78.5	8.4	766	1	US-08-230-491A-3	Sequence 3, Appli
24	78.5	8.4	766	1	US-08-619-280A-3	Sequence 3, Appli
25	78.5	8.4	766	1	US-08-940-391-3	Sequence 3, Appli
26	78.5	8.4	766	2	US-09-794-236-1	Sequence 1, Appli
27	78.5	8.4	766	2	US-10-002-593-6	Sequence 6, Appli
28	78.5	8.4	766	2	US-09-949-016-6146	Sequence 6146, Ap
29	78.5	8.4	766	2	US-09-265-606-3	Sequence 3, Appli
30	78.5	8.4	766	2	US-10-423-714-6	Sequence 6, Appli
31	78.5	8.4	775	2	US-09-949-016-10450	Sequence 10450, A
32	78	8.4	267	2	US-09-902-540-14634	Sequence 14634, A
33	78	8.4	443	2	US-09-328-352-6943	Sequence 6943, Ap
34	78	8.4	510	2	US-09-489-039A-11123	Sequence 11123, A
35	78	8.4	595	2	US-09-902-540-16334	Sequence 16334, A
36	77.5	8.3	331	2	US-09-605-703B-1398	Sequence 1398, Ap
37	77.5	8.3	343	2	US-09-902-540-9727	Sequence 9727, Ap
38	77.5	8.3	629	2	US-09-902-540-12912	Sequence 12912, A
39	77	8.3	297	2	US-09-252-991A-17492	Sequence 17492, A
40	77	8.3	320	2	US-09-252-991A-21006	Sequence 21006, A
41	76.5	8.2	579	2	US-09-252-991A-18063	Sequence 18063, A
42	76	8.1	531	2	US-08-976-063E-34	Sequence 34, Appl
43	76	8.1	620	2	US-09-252-991A-19796	Sequence 19796, A
44	76	8.1	638	2	US-09-477-962-105	Sequence 105, App
45	75.5	8.1	522	2	US-09-134-000C-4946	Sequence 4946, Ap

ALIGNMENTS

RESULT 1
US-09-902-540-10455
; Sequence 10455, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 10455
; LENGTH: 396
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
US-09-902-540-10455

Query Match 10.1%; Score 94.5; DB 2; Length 396;
Best Local Similarity 23.3%; Pred. No. 0.028;
Matches 40; Conservative 28; Mismatches 81; Indels 23; Gaps 5;

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Qy          32 EIAWRLSFTGIDDDTMAAL-AAEQPLFEATADALVTDFYDHLESYERTQDLFANSTKTVE 90
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Db           8 ELKRYVGFSSADEQALVTLHATAKPHFARFARV----FYDRILEHEGARQALEGGESQVG 63

Qy          91 QLKETQAEYLLGLGRGEYDTEYAAQRARIGKIHDVLGLGPDVYLGAYT---RYYTGLLDA 147
                 |: |   ::  | || :|  | | | |||::|  : |       ||     : :   :||
Db          64 HLRGTLQVWMDQLLRGPWDEVYYALRCRIGRMHVRIALPQHYMFGAMNILRQEFNSHIDA 123

Qy         148 -LADDVVADRGEEAAAAV-------------DELVARFLPMLKLLTFDQQI 184
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Db         124 TYLEEPAALRAARSAVGKILDLELAIMLHTYREDLLAQQARSERLSTFGQLV 175
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RESULT 2
US-08-428-414A-3
; Sequence 3, Application US/08428414A
; Patent No. 5912166
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR DIAGNOSIS OF
; TITLE OF INVENTION: LEISHMANIASIS
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY

```
;      STREET:  6300 Columbia Center, 701 Fifth Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  USA
;      ZIP:  98104-7092
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/428,414A
;      FILING DATE:  21-APR-1995
;      CLASSIFICATION:  436
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Kadlecek, Ann T.
;      REGISTRATION NUMBER:  39,244
;      REFERENCE/DOCKET NUMBER:  210121.407
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 622-4900
;      TELEFAX:  (206) 682-6031
;      TELEX:  3723836 SEEDANDBERRY
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  955 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:
;      TOPOLOGY:  linear
US-08-428-414A-3

  Query Match             9.8%;  Score 91.5;  DB 1;  Length 955;
  Best Local Similarity   27.3%;  Pred. No. 0.24;
  Matches   54;  Conservative   22;  Mismatches   77;  Indels   45;  Gaps    8;

Qy          13 VRNGIDGHALADRIGLDEAEIAWRLSFTGIDDDTMAALAAEQPLFEATADALVT---DFY 69
               ||  :|    ::|  |               : |:| |  ||   |   ||| |
Db         530 VRRRLDAEIASEREKL--------------ESTVAQLEREQRERREVALDALQTHQRKLQ 574

Qy          70 DHLESYERTQDLFANSTKTVEQLKETQAEYLLGLGRGEYDTE-YAAQRARIGKIHDVLGL 128
               : ||| |||    |   : ::|| | |:|    | :   | |        ||   :    |
Db         575 EALESSERTA---AERDQLLQQLTELQSE-RTQLSQVVTDRERLTRDLQRIQYEYGETEL 630

Qy         129 GPDVYLGA----YTRYYTGLL-------------DALADDVVADRGEEAAAAVDELV--- 168
                 || | |       ||:  :               ||| :  :|:| | ||| :|
Db         631 ARDVALCAAQEMEARYHAAVFHLQTLLELATEWEDALRERALAERDEAAAAELDAAASTS 690

Qy         169 --ARFLPMLKLLTFDQQI 184
                 ||     :| : :||:
Db         691 QNARESACERLTSLEQQL 708


RESULT 3
US-08-006-676B-1
; Sequence 1, Application US/08006676B
; Patent No. 5411865
;  GENERAL INFORMATION:
;    APPLICANT:  Reed, Steven
;    TITLE OF INVENTION:  Diagnosis of Leishmaniasis
;    NUMBER OF SEQUENCES:  3
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Jeffrey B. Oster
;      STREET:  8339 SE 57th Street
;      CITY:  Mercer Island
;      STATE:  Washington
;      COUNTRY:  USA
;      ZIP:  98040-4906
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatable
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WORD for Windows
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/006,676B
;      FILING DATE:  15-JAN-1993
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Oster, Jeffrey B.
;      REGISTRATION NUMBER:  32,585
;      REFERENCE/DOCKET NUMBER:  REED-4
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 232 7845
;      TELEFAX:  (206) 236 0205
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  955 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-006-676B-1

  Query Match             9.5%;  Score 89;  DB 1;  Length 955;
  Best Local Similarity   29.3%;  Pred. No. 0.46;
  Matches   49;  Conservative   19;  Mismatches   69;  Indels   30;  Gaps    7;

Qy          44 DDTMAALAAEQPLFEATADALVT---DFYDHLESYERTQDLFANSTKTVEQLKETQAEYL 100
               : |:| |  ||    |   ||| |      : ||| |||    |   : ::|| | |:|
Db         546 ESTVAQLEREQRERREVALDALQTHQRKLQEALESSERTA---AERDQLLQQLTELQSE-R 601

Qy         101 LGLGRGEYDTE-YAAQRARIGKIHDVLGLGPDVYLGA----YTRYYTGLL---------- 145
                 | :   | |        ||   :    |  || | |       ||:  :
Db         602 TQLSQVVTDRERLTRDLQRIQYEYGETELARDVALCAAQEMEARYHAAVFHLQTLLELAT 661

Qy         146 ---DALADDVVADRGEEAAAAVDELV-----ARFLPMLKLLTFDQQI 184
                   ||| :  :|:| | ||| :|        ||     :| : :||:
Db         662 EWEDALRERALAERDEAAAAELDAAASTSQNARESACERLTSLEQQL 708


RESULT 4
US-08-282-845-2
; Sequence 2, Application US/08282845
; Patent No. 5719263
;  GENERAL INFORMATION:
;    APPLICANT:  Reed, Steven G.
;    TITLE OF INVENTION:  A 230Kd Antigen Present in Leishmania
;    TITLE OF INVENTION:  Species
;    NUMBER OF SEQUENCES:  3
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Immunex Corporation
;      STREET:  51 University Street
;      CITY:  Seattle
;      STATE:  WA
;      COUNTRY:  USA
;      ZIP:  98101
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  Apple Macintosh
;      OPERATING SYSTEM:  Apple Macintosh Operating System 7.1
;      SOFTWARE:  Microsoft Word for Macintosh 5.1a
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/282,845
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/006,676
;      FILING DATE:  JANUARY 15, 1993
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Perkins, Patricia Anne
;      REGISTRATION NUMBER:  34,693
;      REFERENCE/DOCKET NUMBER:  5004-A
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206)587-0430
;      TELEFAX:  (206)233-0644
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  955 amino acids
```